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TITLE : TENSION CONTROL METHOD FOR WIRE LED OUT FROM BOBBIN, AND ITS DEVICE

ABSTRACT : PROBLEM TO BE SOLVED: To provide a device capable of letting out a wire led out from a supply bobbin while applying a constant tension thereto, and capable of stably processing the wire without causing wire disconnection or the like.

SOLUTION: The residual quantity of a wire wound around a supply bobbin is measured, and an inertia force is calculated from the residual quantity of the wire and the self-weight of the supply bobbin. A braking force is calculated from the inertia force and the rotational frequency of the supply bobbin. The braking force is given to the supply bobbin by a powder brake. The tension of the wire led out from the supply bobbin is retained constant to let it out.

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